

FIG. 1A

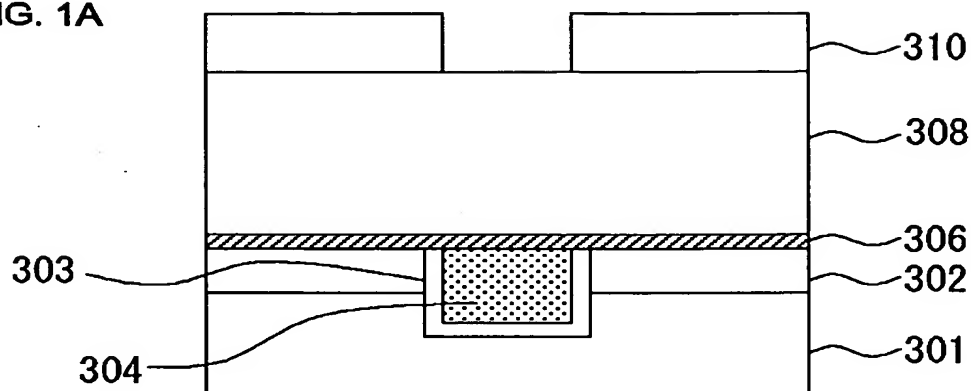


FIG. 1B

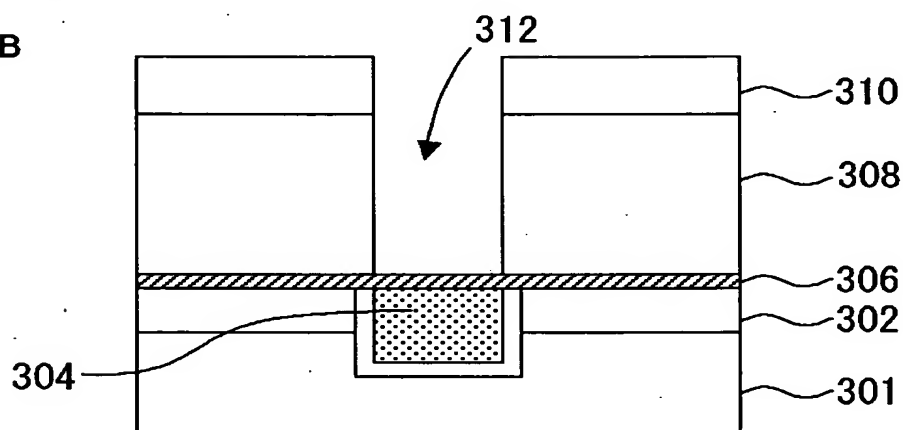


FIG. 1C

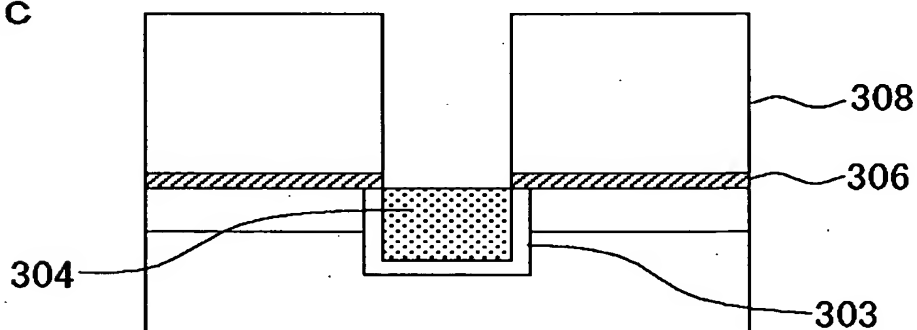


FIG. 1D

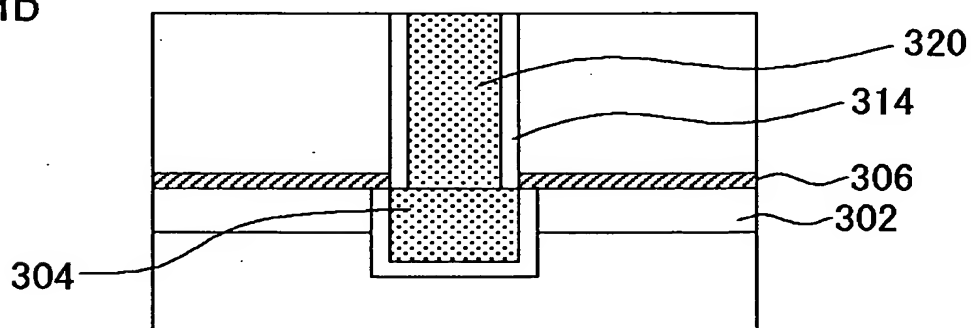


FIG. 2

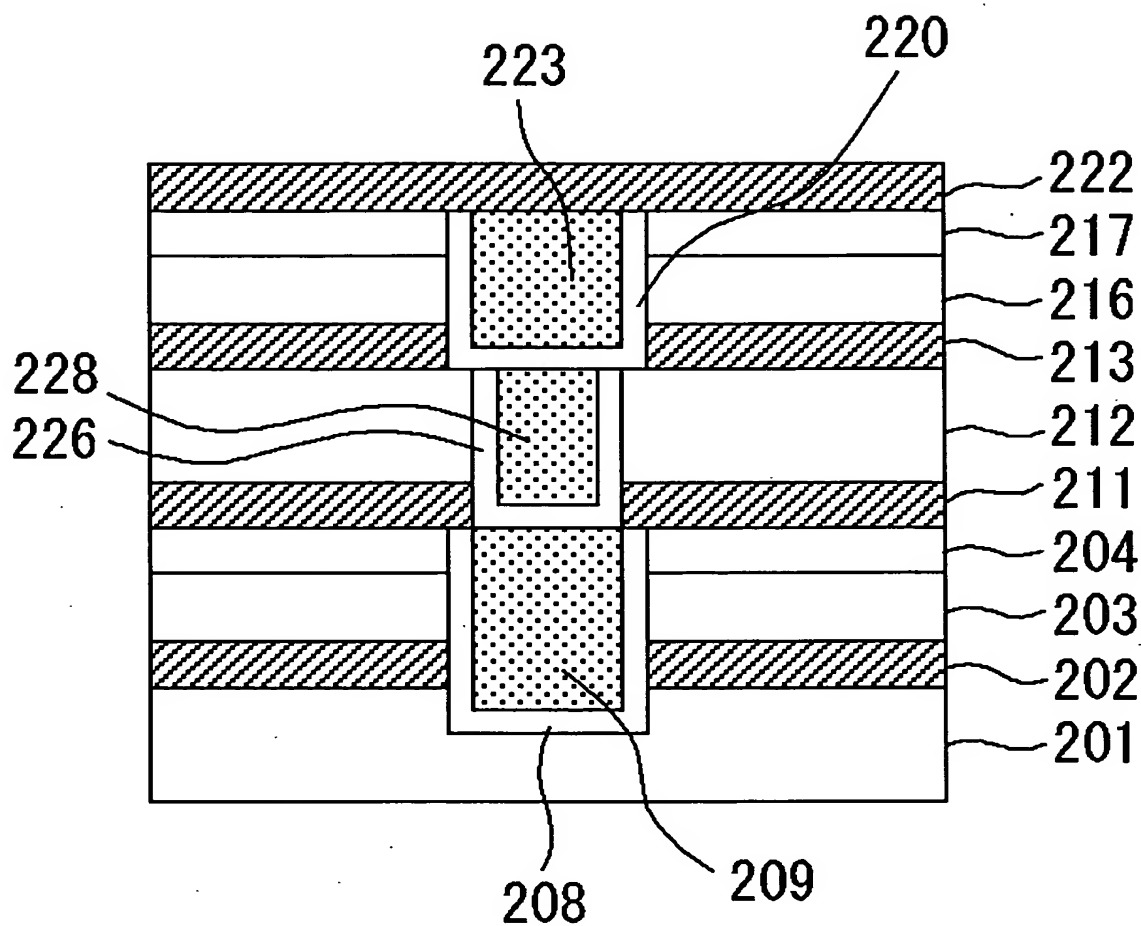


FIG. 3A

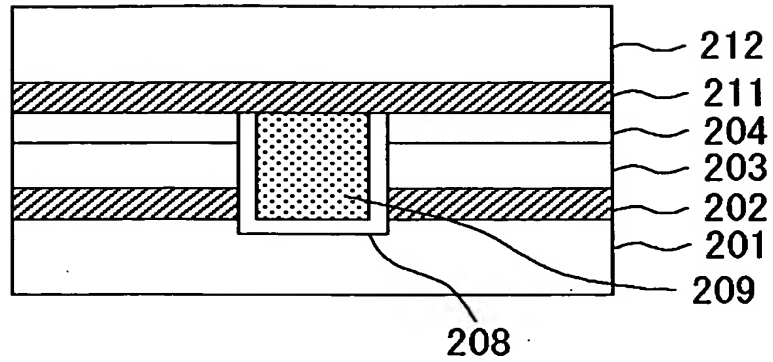


FIG. 3B

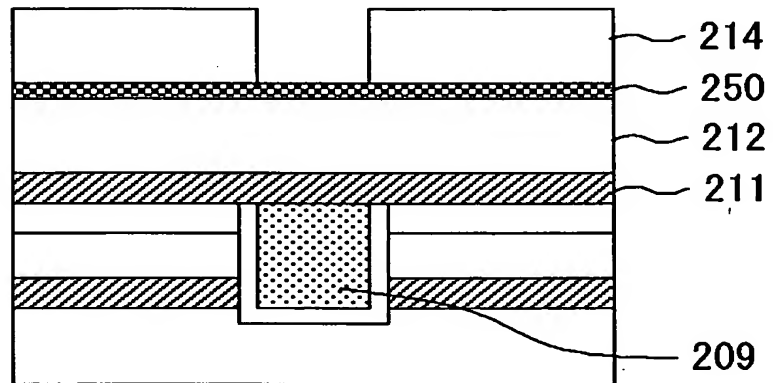


FIG. 3C

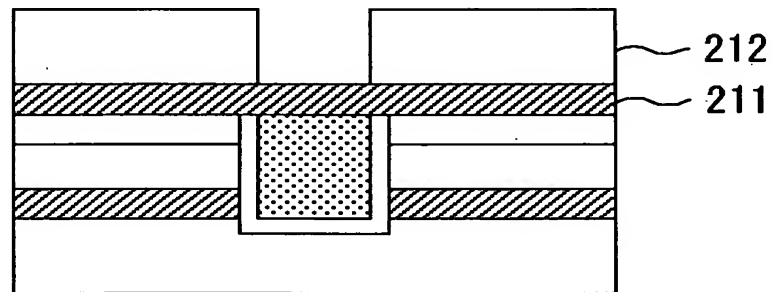


FIG. 3D

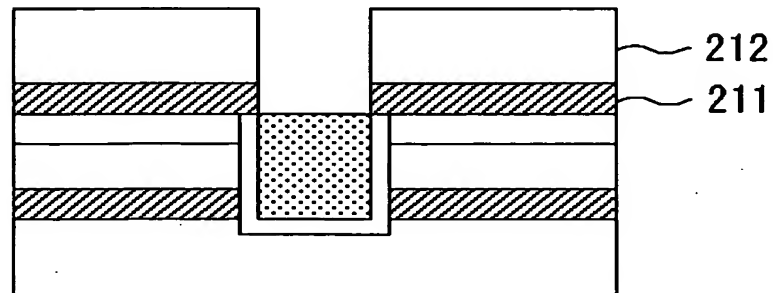


FIG. 4E

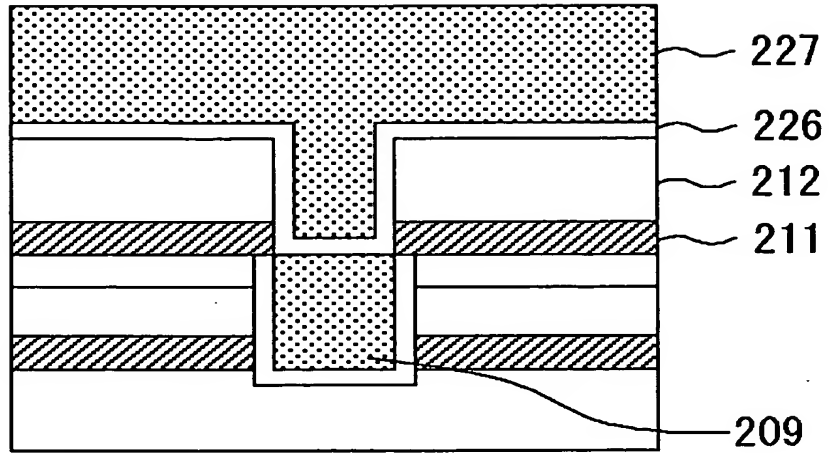


FIG. 4F

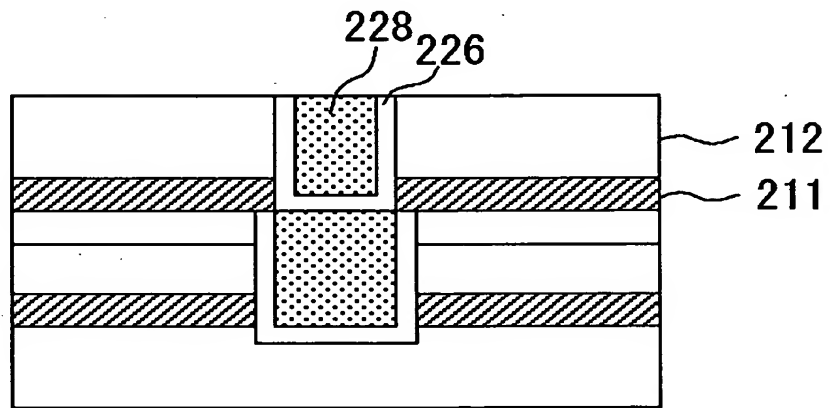


FIG. 4G

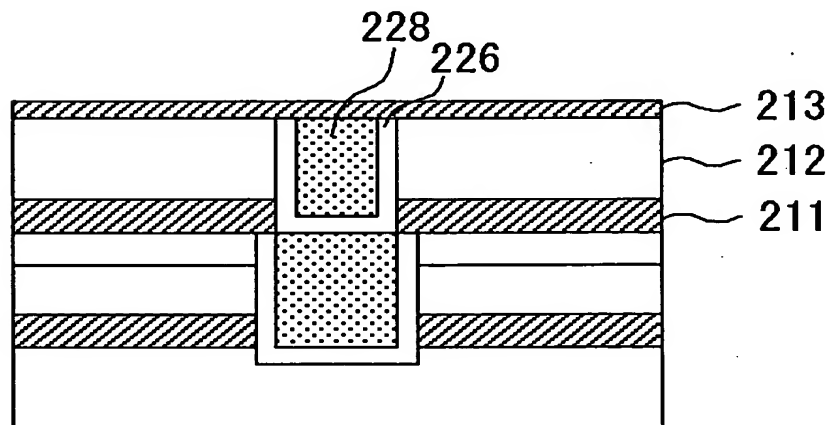


FIG. 5H

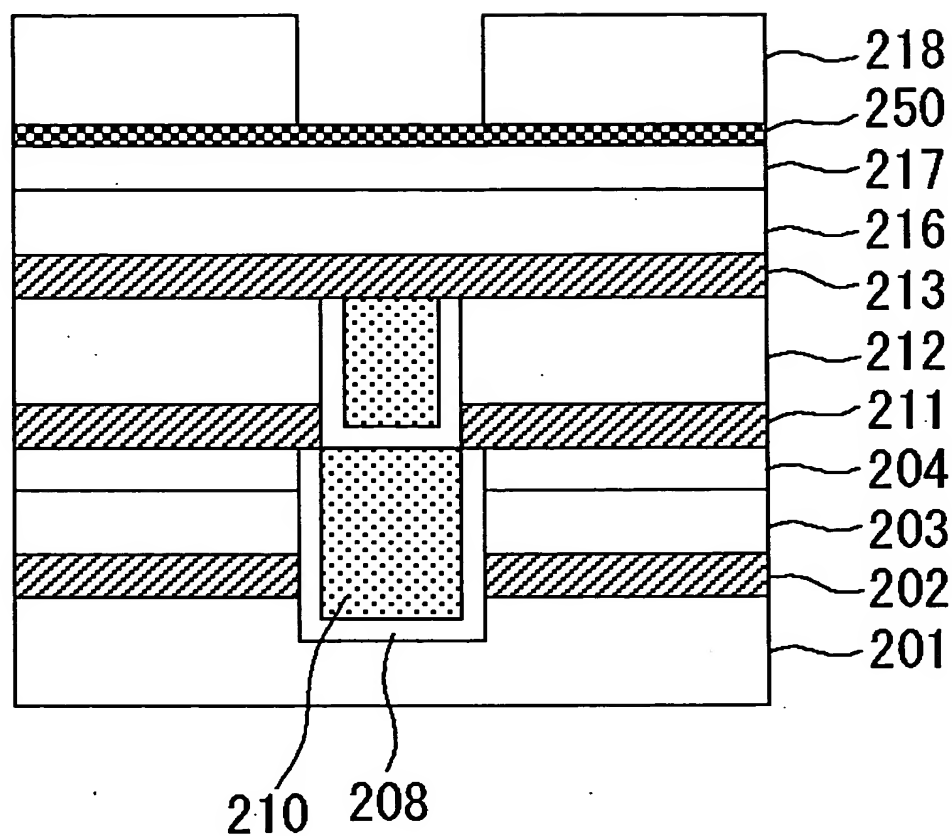


FIG. 5I

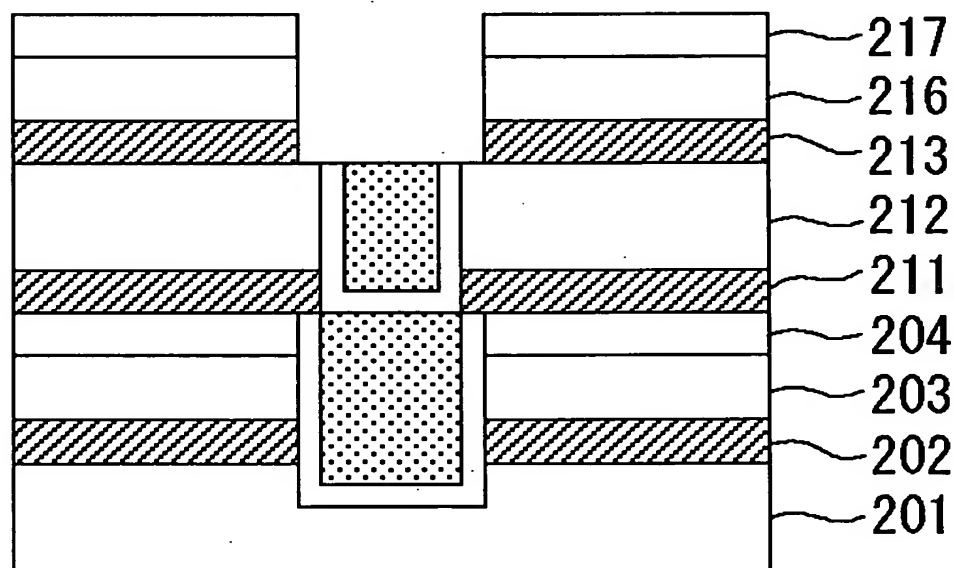


FIG. 7

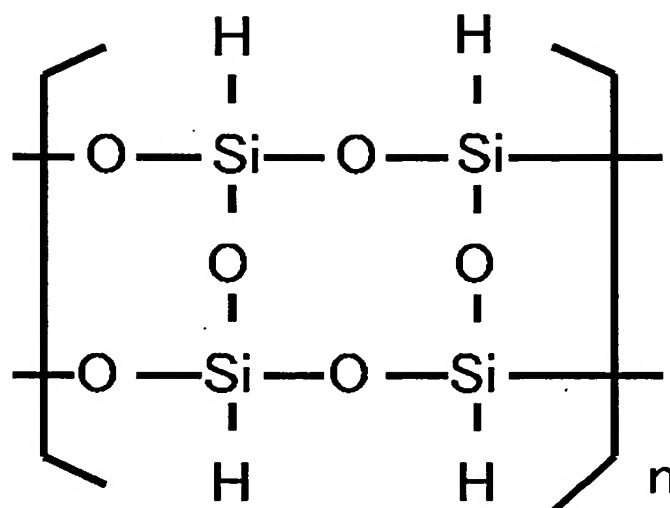


FIG. 8

DIELECTRIC CONSTANT (at 1 MHz)	2.9
REFRACTIVE INDEX (at 633 nm)	1.39
STRESS (dyne/cm²)	7.00 X 10⁸
HARDNESS (GPa)	0.9
ELASTICITY (GPa)	6
THERMAL EXPANSION COEFFICIENT (ppm/deg-C)	18
GLASS TRANSITION TEMPERATURE (deg-C)	NA
THERMAL CONDUCTIVITY (W/mK, at 25 deg-C)	0.31

FIG. 9

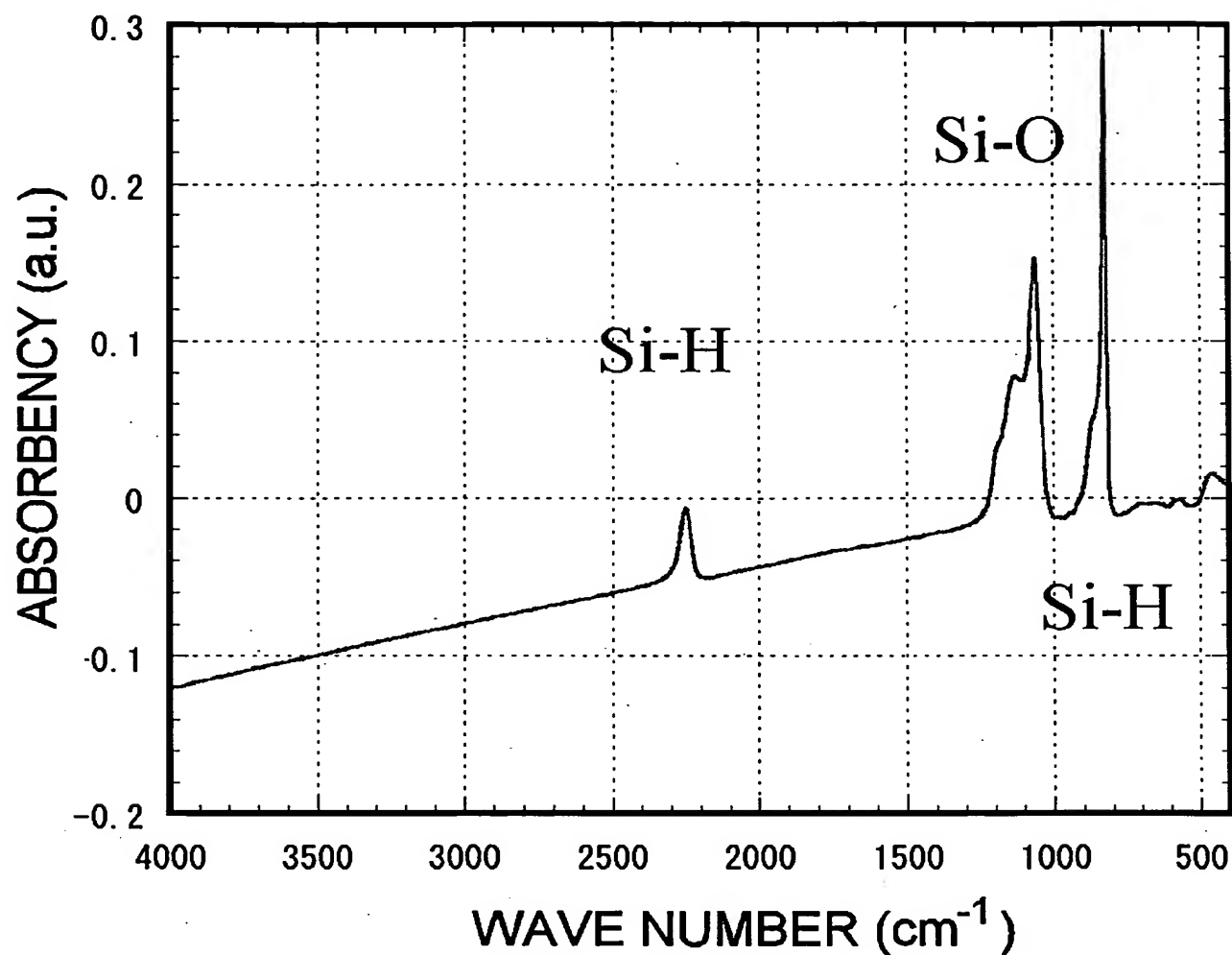


FIG. 10

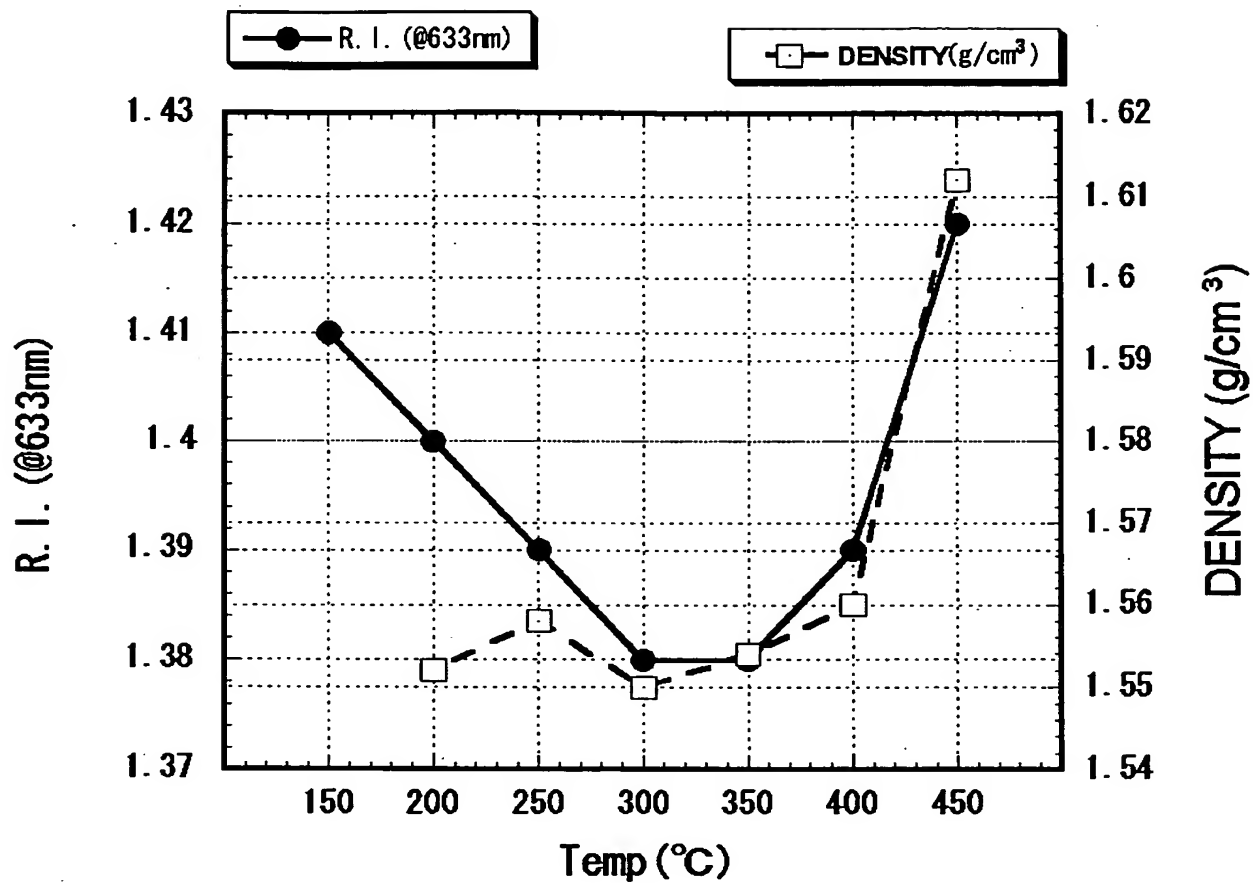


FIG. 11

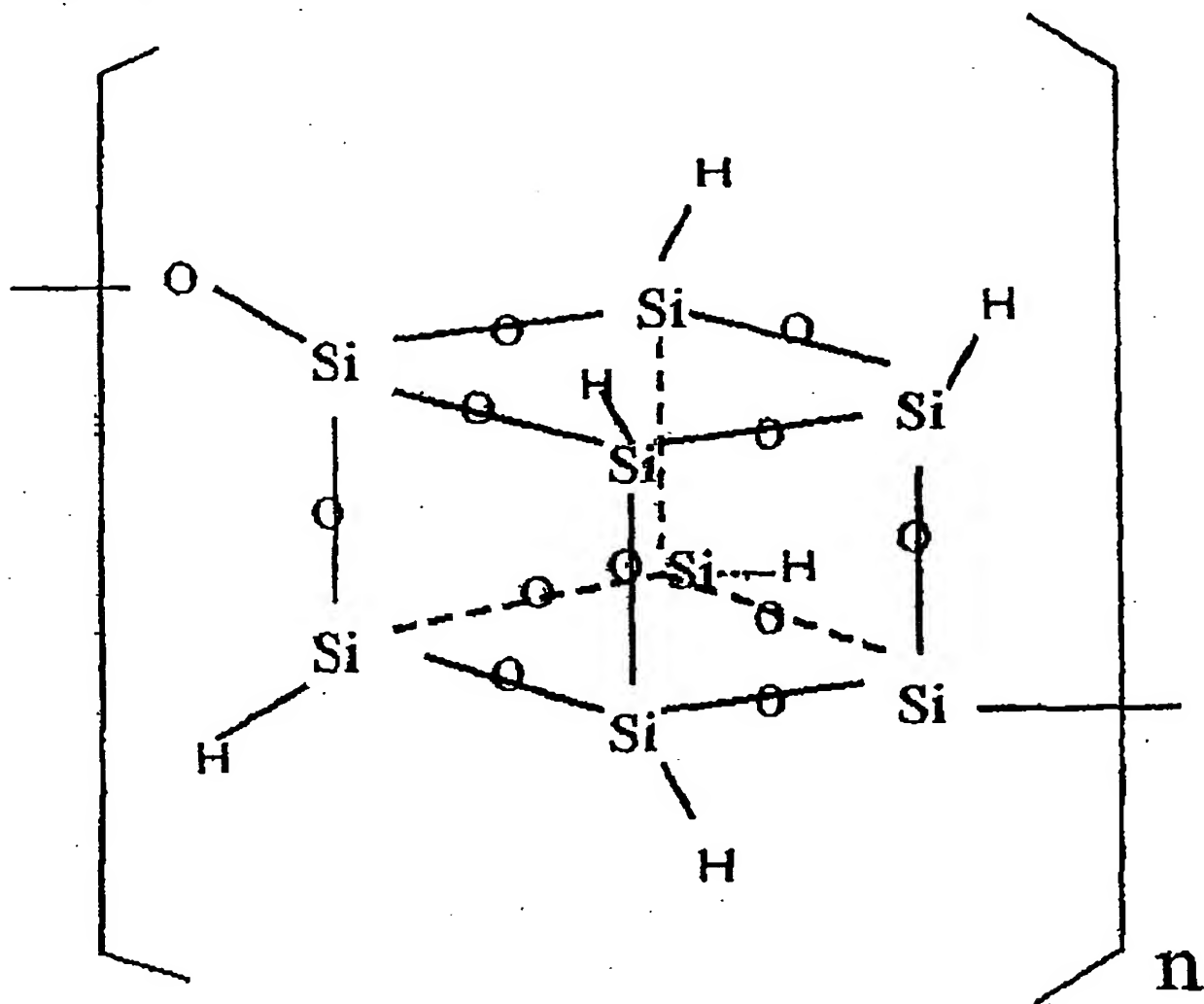


FIG. 12

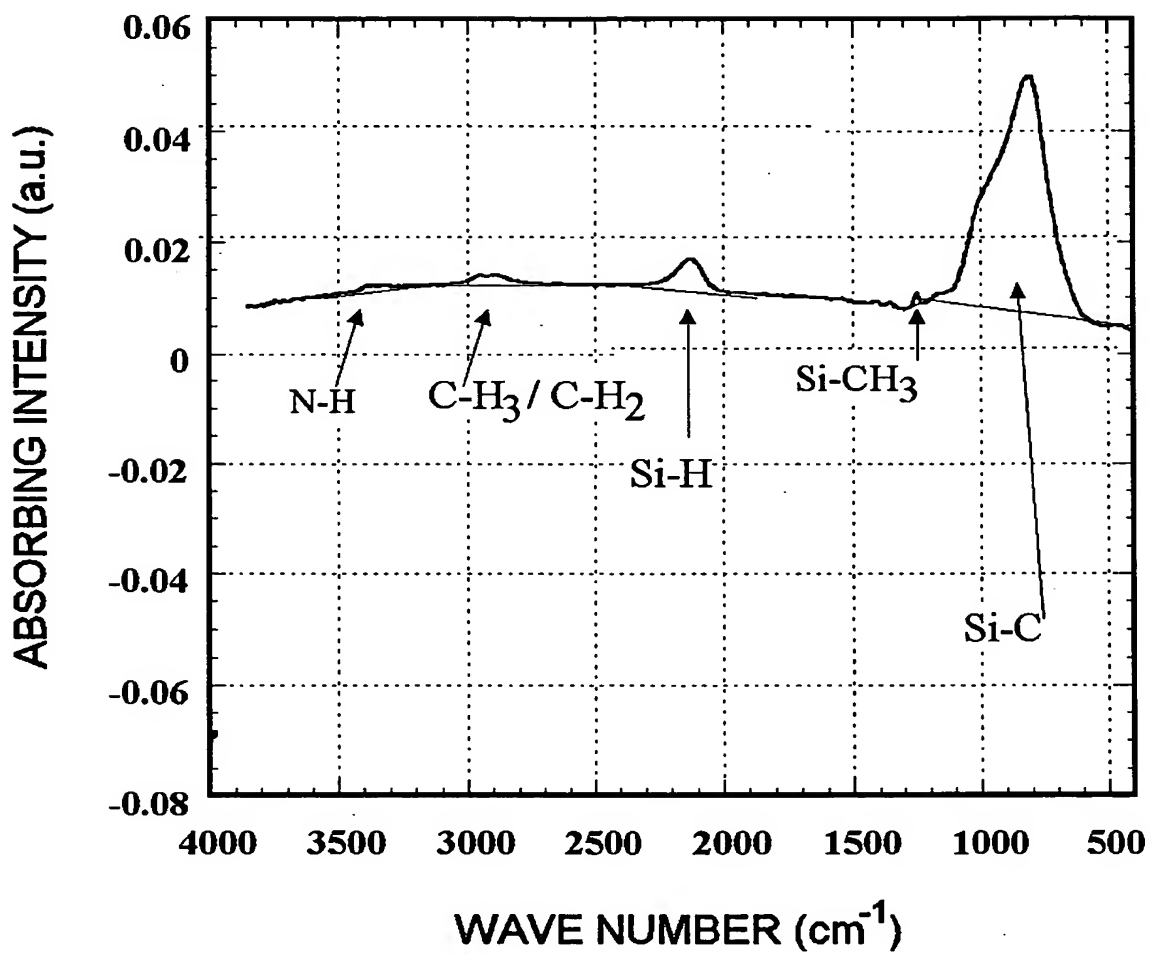


FIG. 13

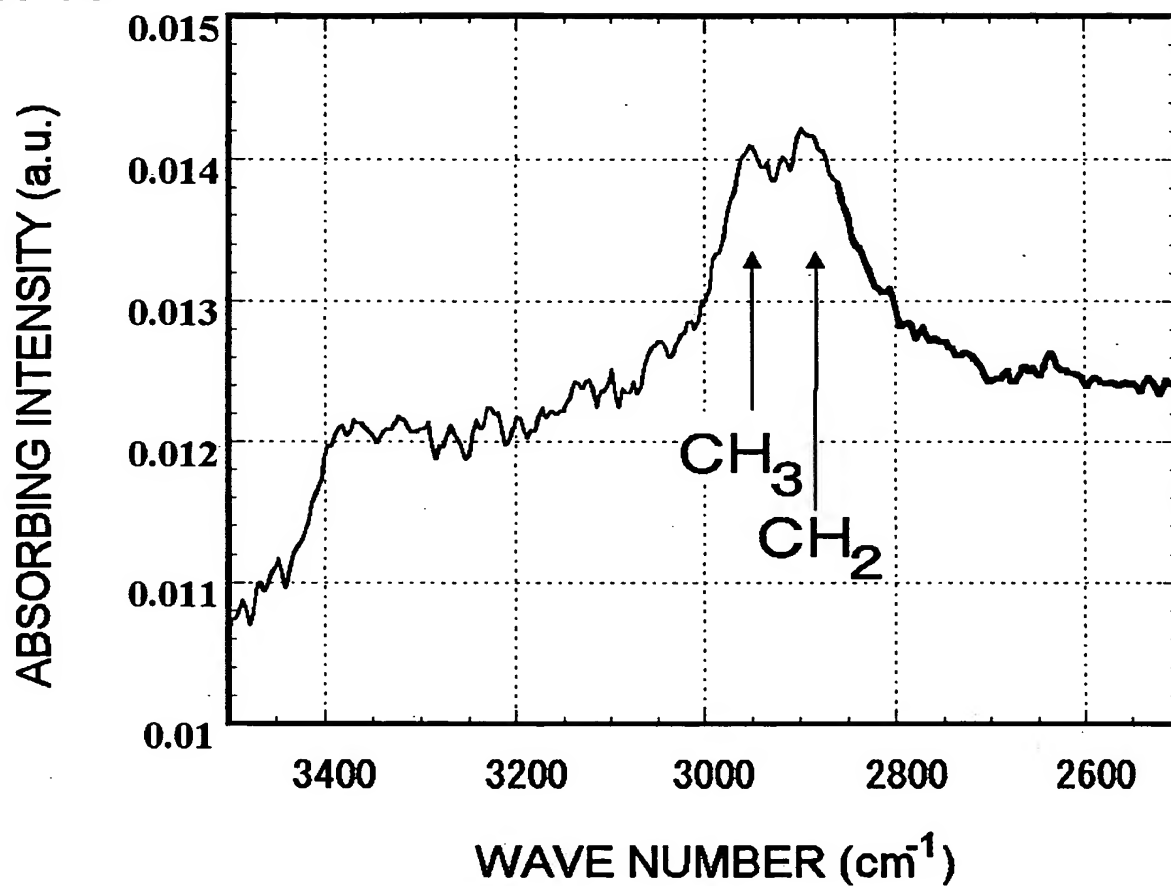


FIG. 14

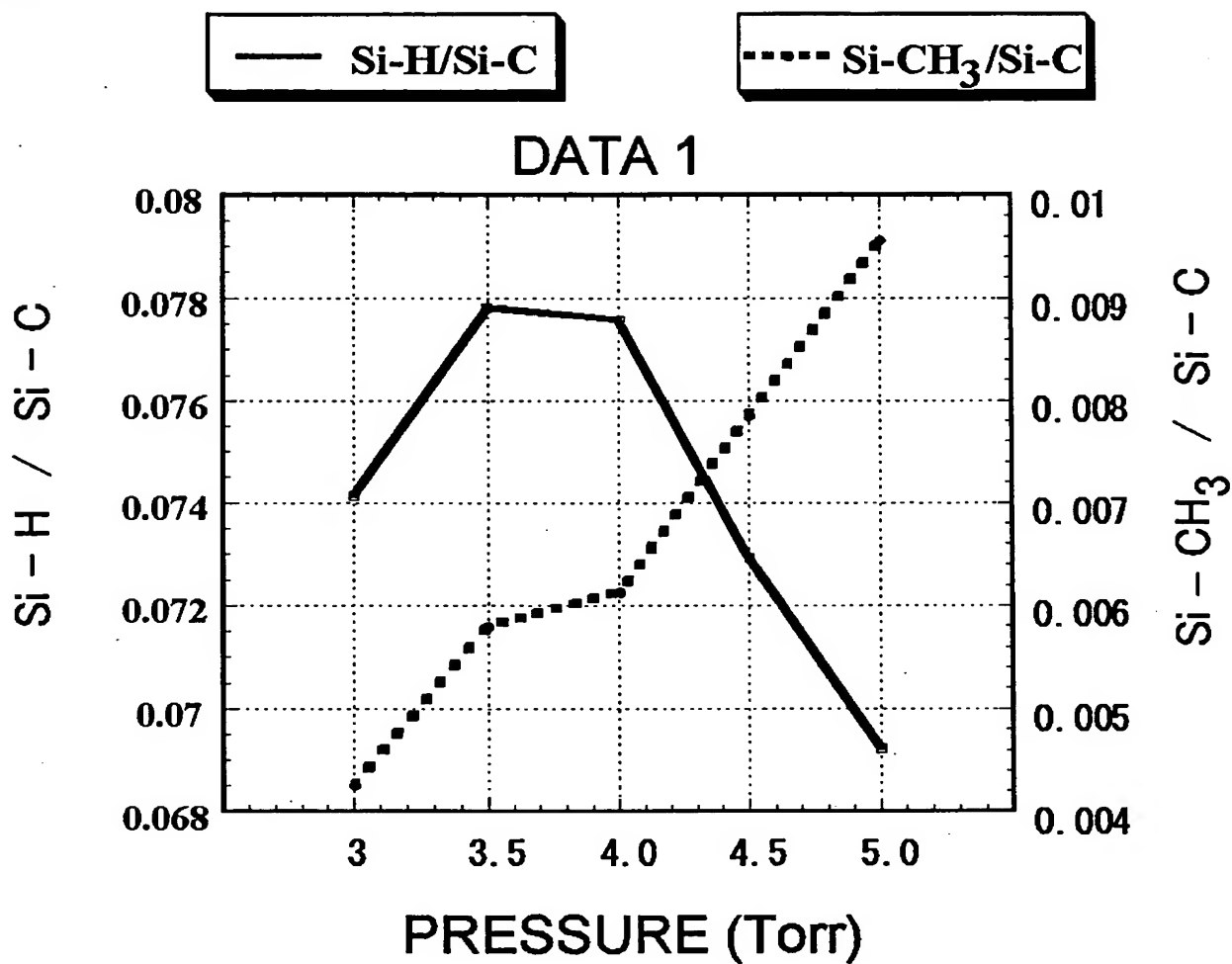


FIG. 15

PRESSURE (Torr)	3.0	3.5	4.0	4.5	5.0
CH ₃ : CH ₂	<	<	<	>	>
Adhesion	○	○	○	×	×

FIG. 16

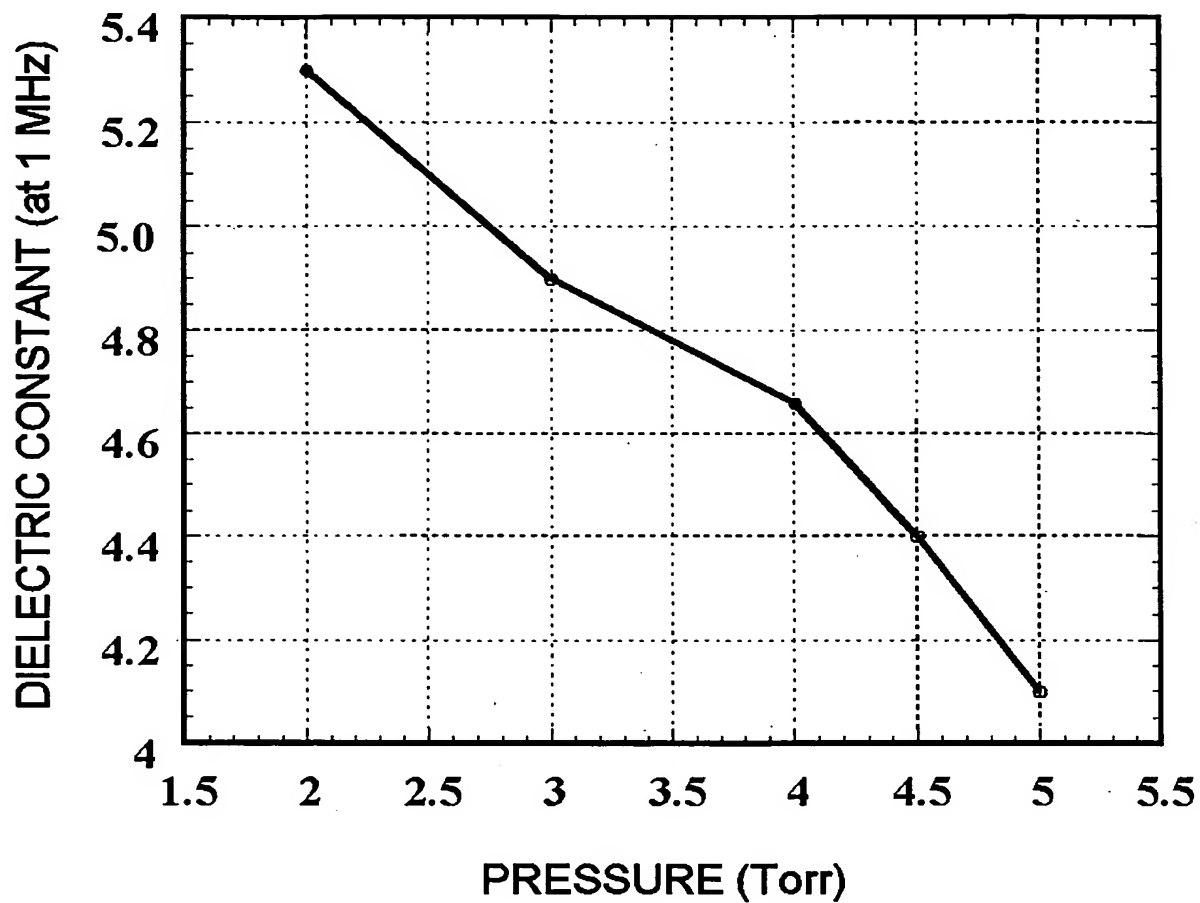


FIG. 17

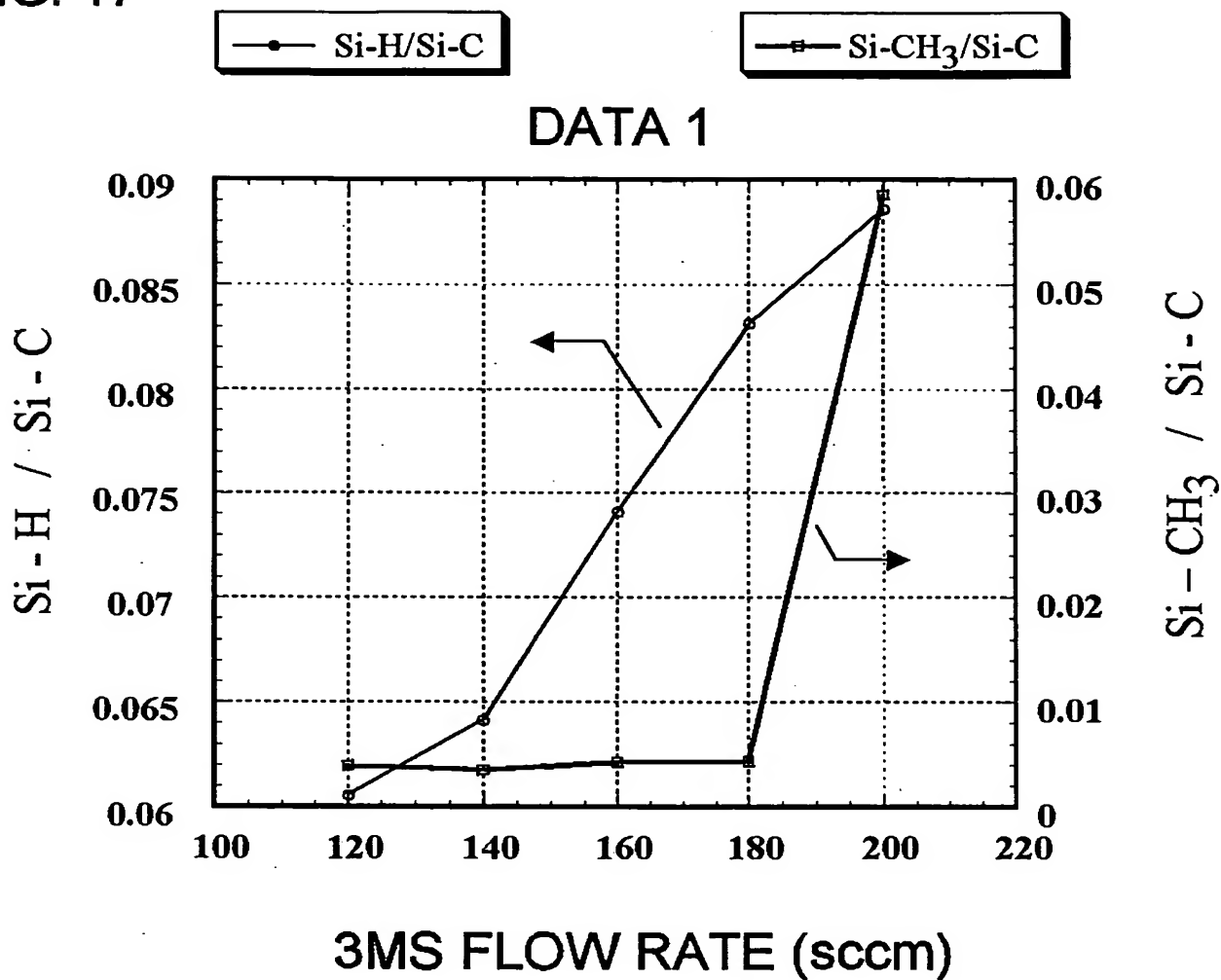


FIG. 18

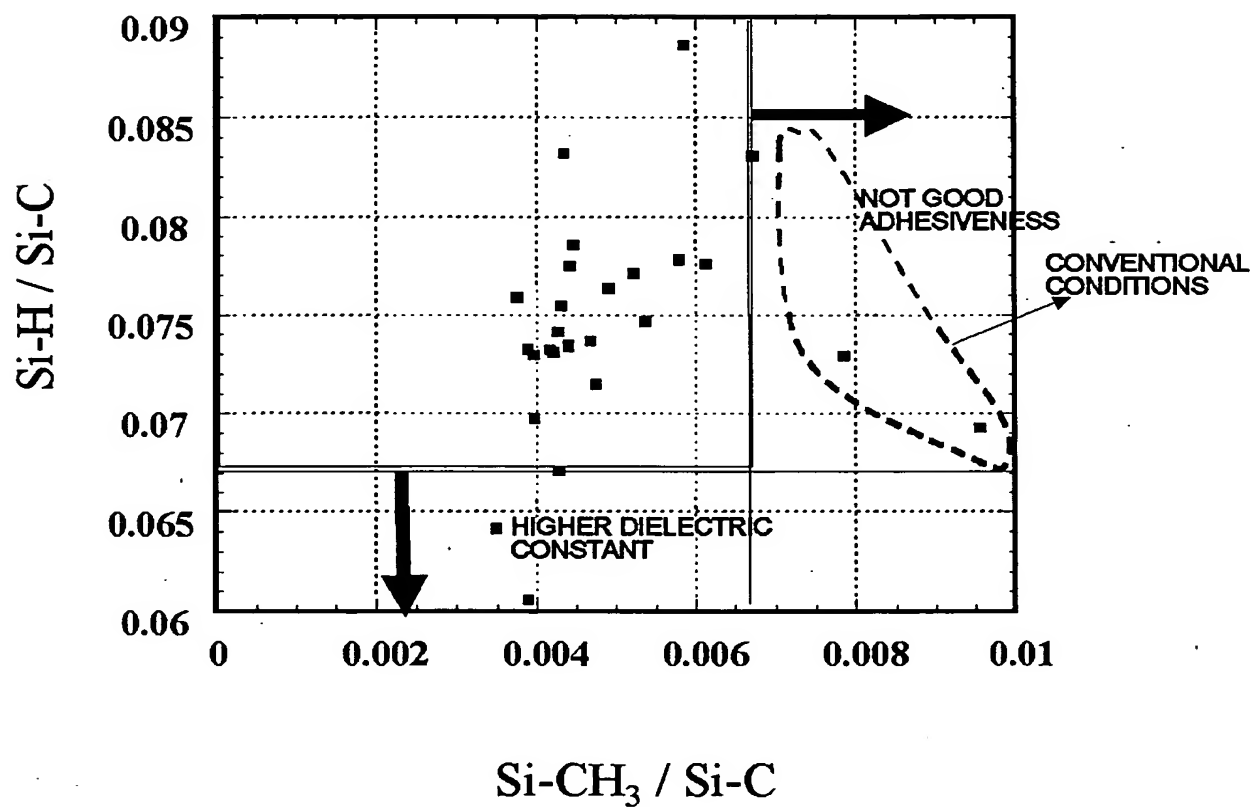


FIG. 19

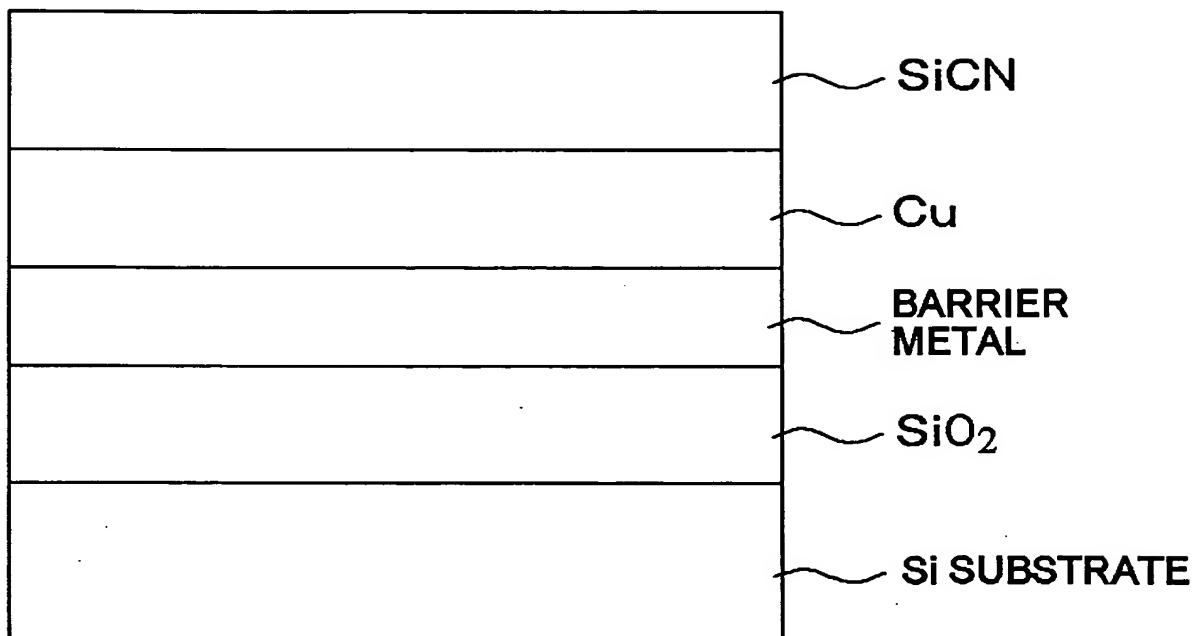


FIG. 20A

WITHOUT ANNEALING

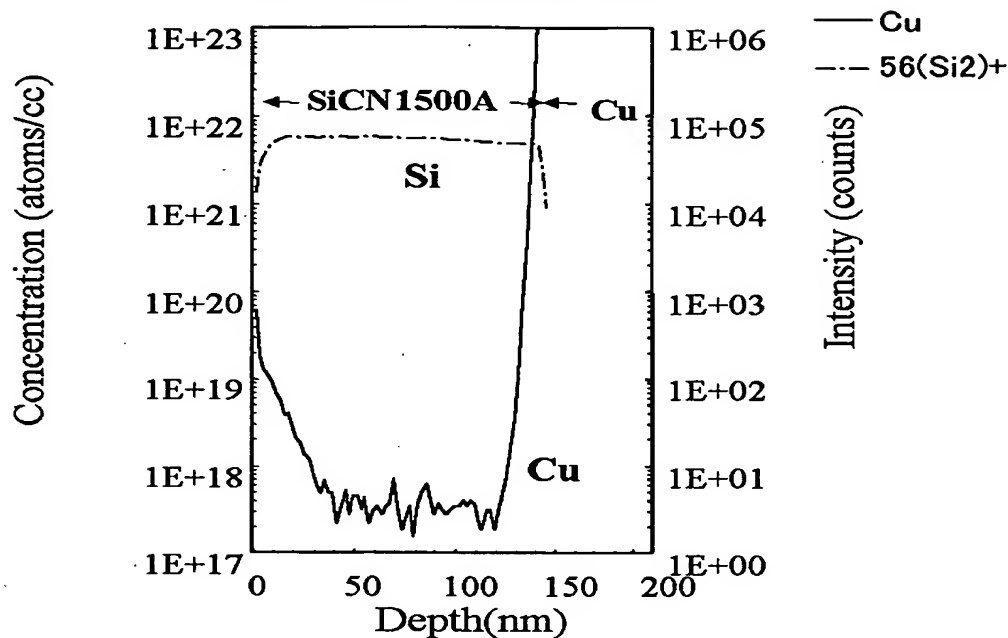


FIG. 20B

400°C 30min × 10cycle

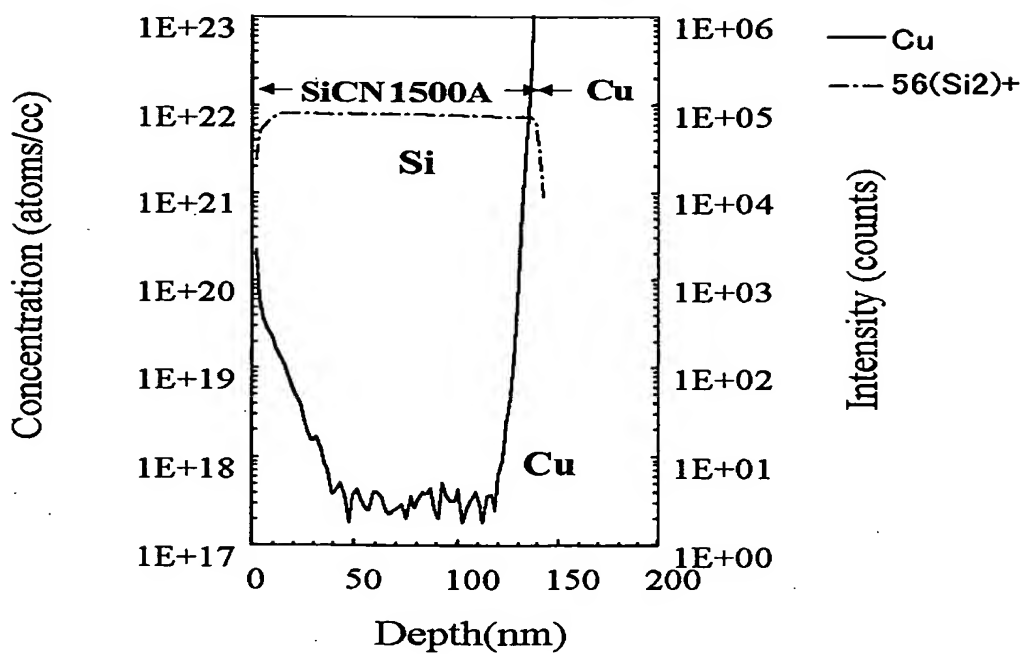


FIG. 21A **WITHOUT ANNEALING**

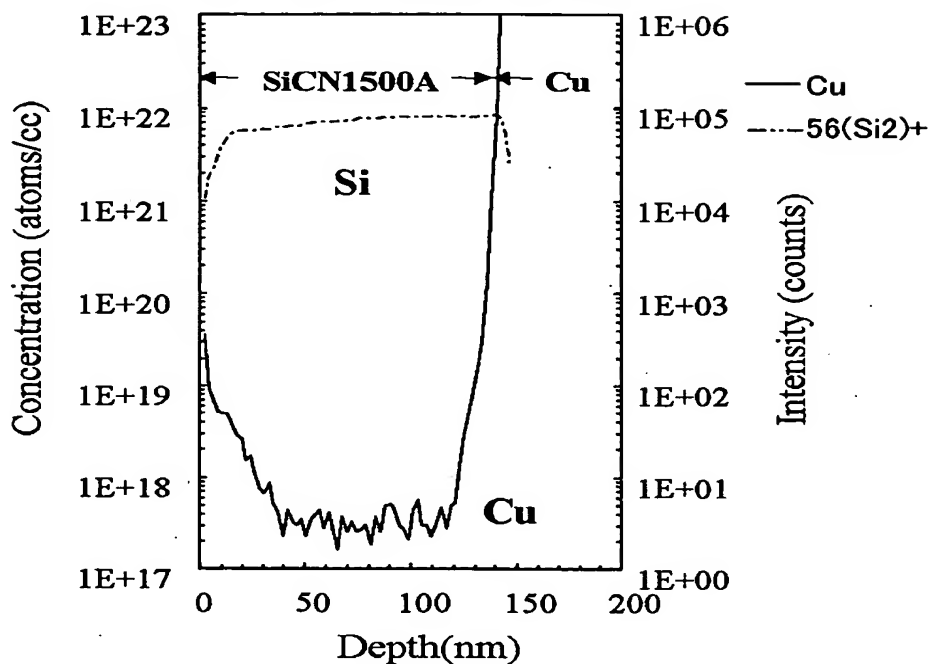


FIG. 21B **400°C 30min × 10cycle**

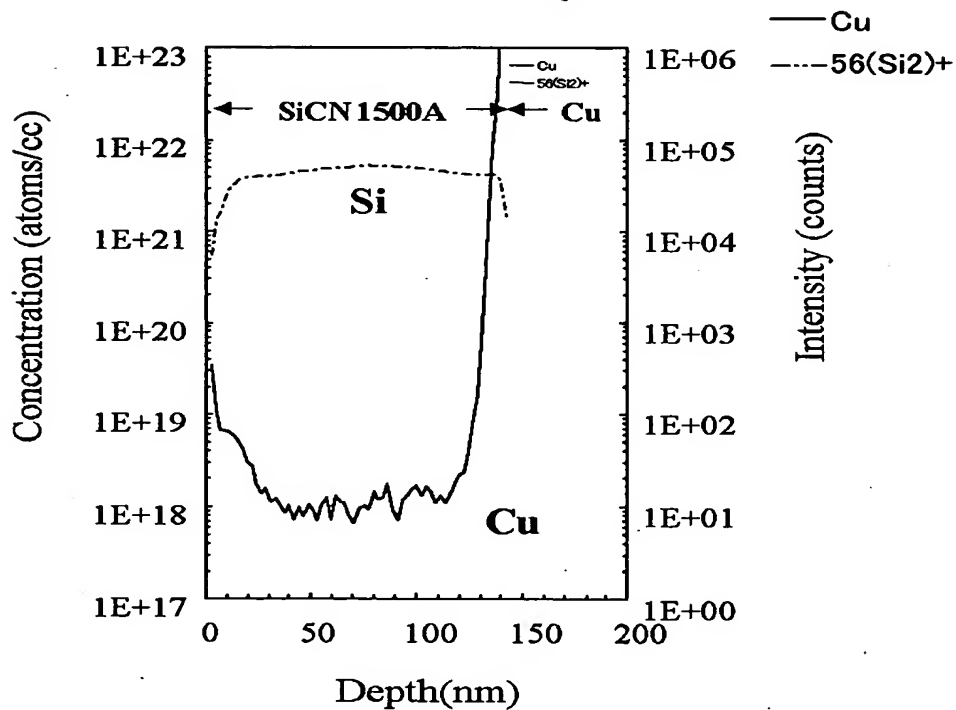


FIG. 22

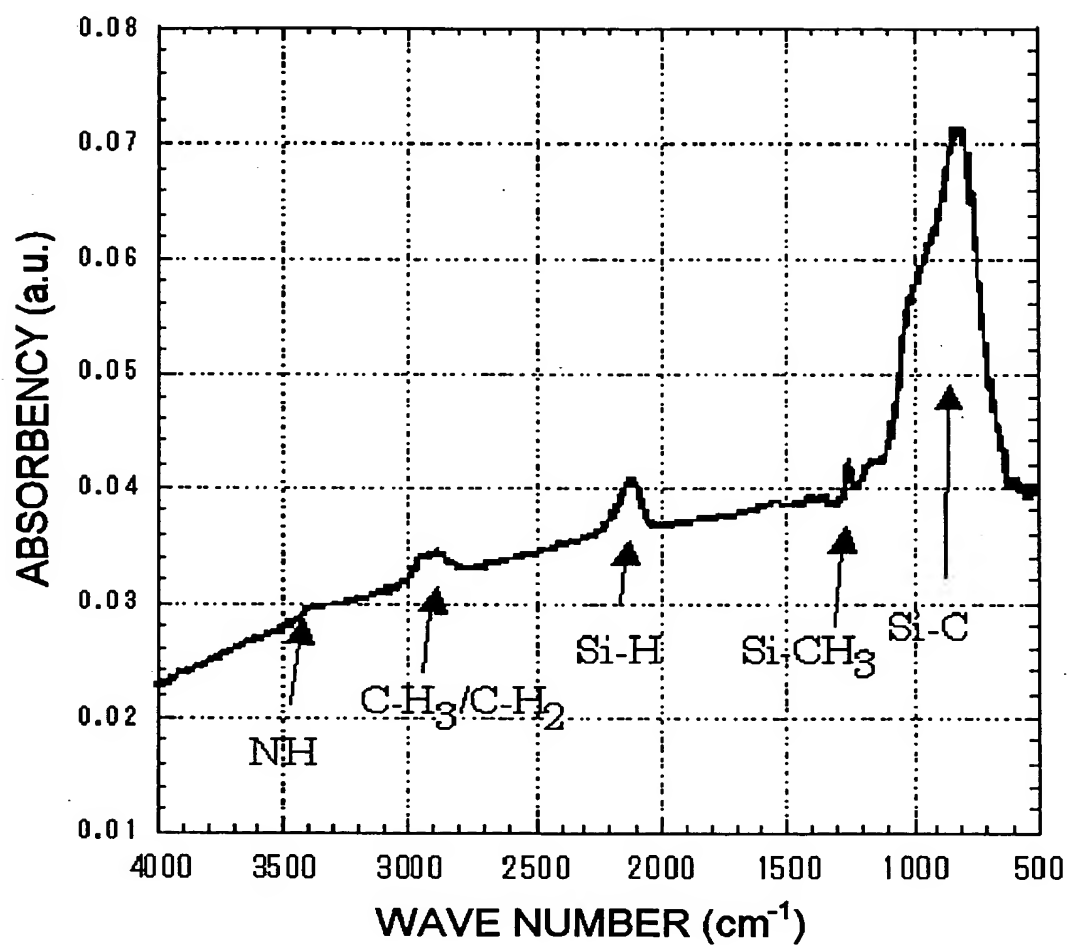


FIG. 23

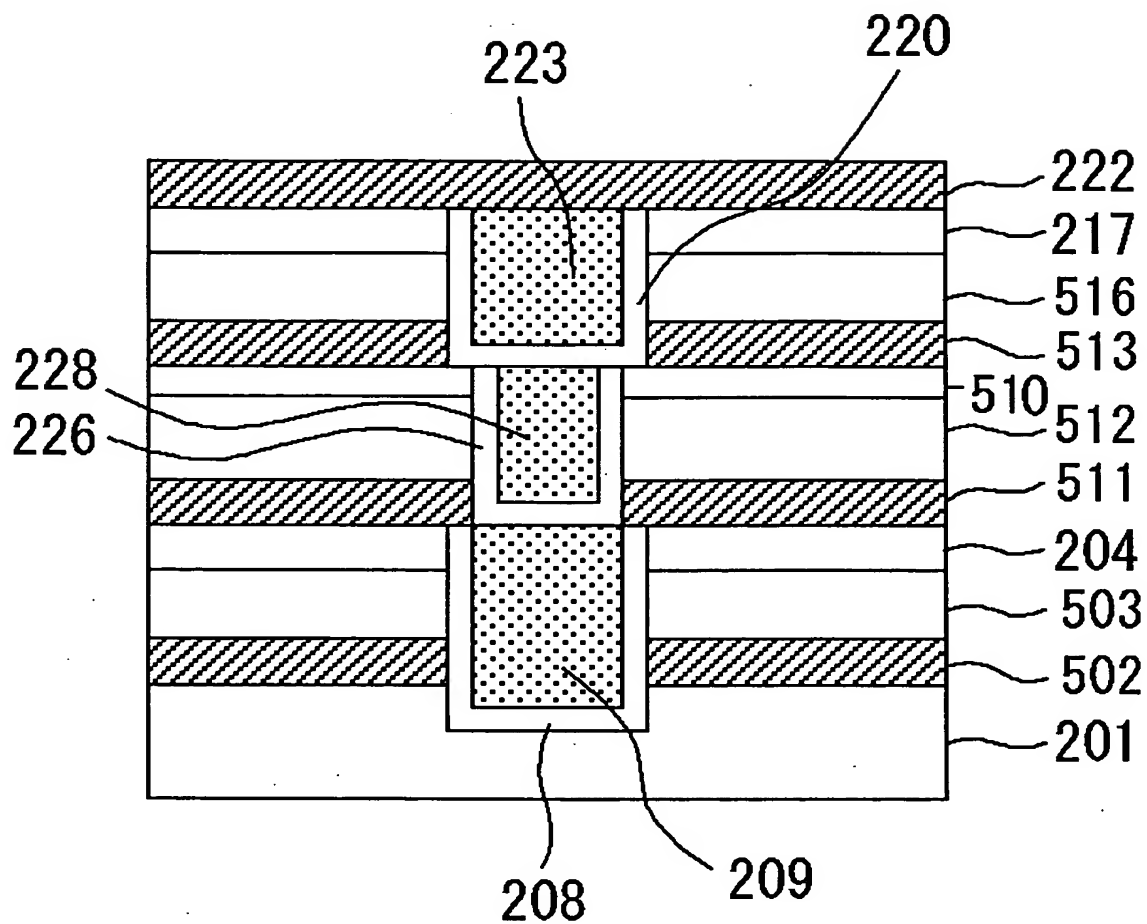


FIG. 24

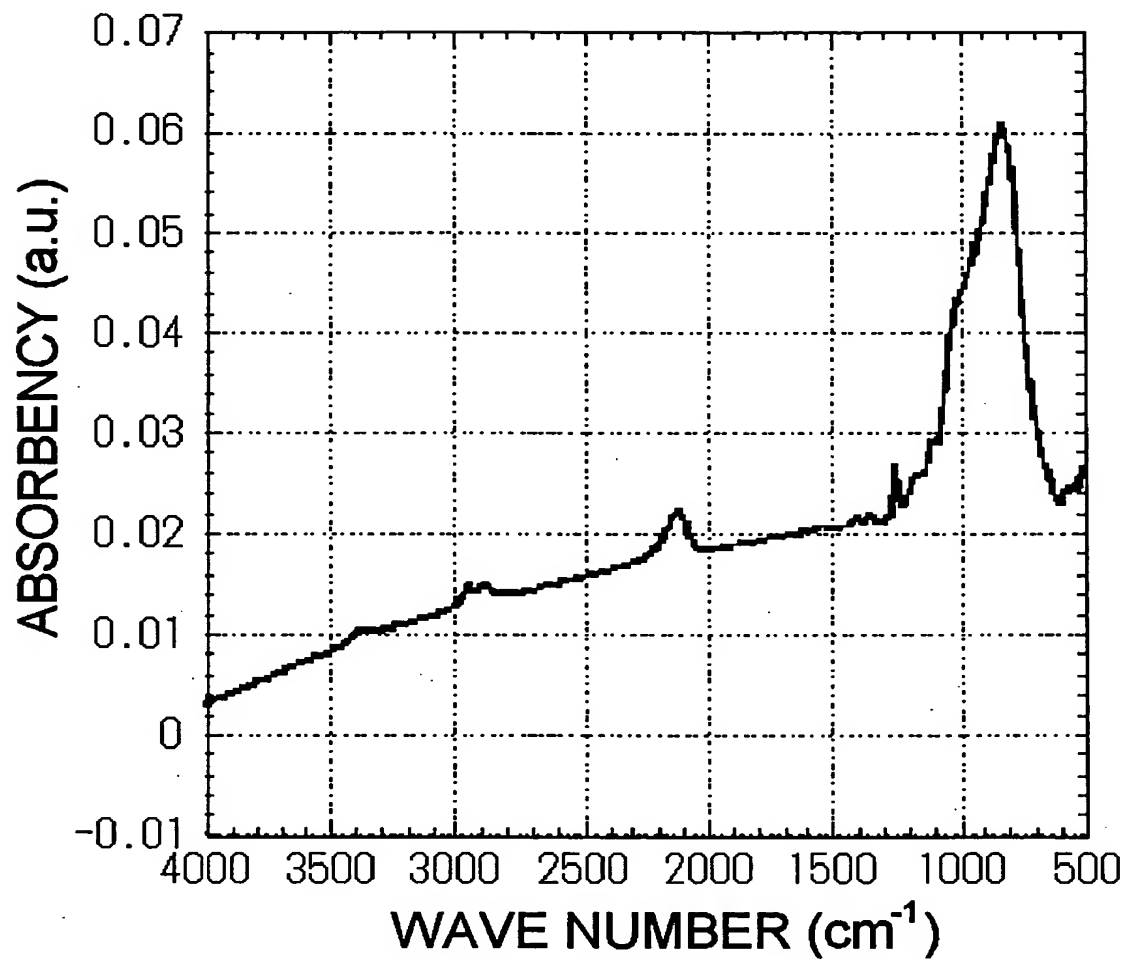


FIG. 25

